

What is claimed is:

1. A c143 monoclonal antibody which is used for detecting a bovine individual which has a possibility of onset of bovine leukemia.
2. A c143 monoclonal antibody which is used for detecting a gene encoding β 1 domain of bovine MHC Class II DR β chain to which a possibility of onset of bovine leukemia is attributable.
3. A monoclonal antibody which is used for detecting a bovine individual having a possibility of onset of bovine leukemia, wherein the monoclonal antibody has substantially the same reactivity as a c143 monoclonal antibody to a bovine MHC Class II DR molecule to which a possibility of onset of bovine leukemia is attributable.
4. A monoclonal antibody which is used for detecting a gene encoding β 1 domain of bovine MHC Class II DR β chain to which a possibility of onset of bovine leukemia is attributable, wherein the monoclonal antibody has substantially the same reactivity as a c143 monoclonal antibody to a bovine MHC Class II DR molecule.
5. An agent for diagnosing a possibility of onset of bovine leukemia which comprises the monoclonal antibody according to any one of claims 1 to 4.
6. A method for detecting a bovine individual which has a possibility of onset of bovine leukemia by means of the monoclonal antibody according to any one of claims 1 to 4.